# On rhe: $^{\text {GENUS }}$ MANDALOTUS (COLEOPTERA, CURCULIONIDAE) 

By ARTHUR M. I.iA, F.F.S., Fintomomoget, Soutif Austrahan Musegm.

The gemms Mathlotes now somsists of a greater moner of speetes than any other of Anstablian werevils ; and athough thirty-right new ones are mow added, it is sertain that many more remain on be taken. These beetles ocem in abmadane in the coastal and fores distrids of Quemsiand, New South Wales, Viatorita, and Thsmania, and extend rather sparsely into South Anstralia; several are herein idded from Lord Hown and Norfolk Lstands. A faw were reroded from Western Austratia, but these have all been transpored to Timmeta. Many have bean faken on monntains, ind hading their smmmits, in thsoorks, in moss, muler leavest and mader logs and stones, allel seremal oerem at the prots of beach-growing plants. Toming toods the maty oftem be obtainer in almulande.

Mr. F. Erasmas Wilson has been reently keenly searehing mose, tussorks.
 of gerat interest. Hindly any dnstratian wervil, for instaner, has such pemarkable legs as the male of M. insignipos. Mr. A. II. Elstom has also takell some tuteresting species from Sonth Anstraliat



 arre bately secti.


 present) of the coxale and thbiace, abol a smatl amomit of diat may casily wheme
 the mpere surfare it is minally neerstary to remove some of the seales. On almont
 distamer the outlins of the basal segment of abdomen: and anolher following
 most densely clothed specimems. As ther are so constant they have sedmon been moted in the dessriptions.

The females of but few sueces are distinet, ath I have seddom assoriated
them with mates, mules taken from the same lowaties; even many males are so whikingly alike, in egomal appeatane, that they camot be distimgished by the прper surface alone there is, however, no nther latere geme of wevils in which
 legs. Th momuting single specmens it is therefore desimble that they should be placed on their sides, so that both surfaces mas be examined.
ln eollections they are fremently assoriated with other gencrat which they strongly resemble, but from which thery may be distinguished as follows:

Essolithme. Has a singla elaw to cach foot.
Potyphrmedes. Has daws soldered foged her at hase.
 refered to Dysostiues by Pissoce and Blackburn. and to Mandalutus by myself, but these hate all been transferem to Timarete.

The New Zasaland gedms Cetoptos is menty allime but the sumedes have less romded seses at present it indules some with ocular lobes ind others without
 speries, lut is withont oronlar lobes.

Tt is probable that futme workers will break up the gemos: but 1 an satisford that the ereat variation in the separation of the frome roxac is of specific value only, as the finest gradations necene betwern spectes in which the cosas tonch and others in which they are widely separated. Pascoe and Blackburw both moted the variation in the distame separating the eoxar as an monsual semerice teatme. The amatime of the stermom and lexs, and the processes on the ahdonmen, are all comfined to the males. The species of the grome (H of the table) with very thick sape lowerere, differ hat lithe sexualls. and that


Reforencos to the genns and species are as follows:
Emichson. Wirgm. Areh., TSi2. p. 193.
 deseribed, M. armber beine the firs.
Tacondanes. Gen. C'olropt., wi., p. $2: 31$.
Gemus refored with doubte to Eremmides.

Dusostimes named, redered to the Rlipparosomides, and one sperins deseribed. Trans. Enl. Soc.. Lomd., 1ero, b. 955.
Four spereces of Dysostimes named.

One speries of D!/sostimes mamed.

Mastilers. Cat. Aust. Col.
Mandulotus referred to Eremmides, 4487-4490.
Dysostines referred to Rhyparosomides, 4943-4948.
Blackburn. Proc. Lime. Soc., N.S. Wales, 1890, p. 314.
Notes on Dysostines with four species named.
Id., 1892, p. $12 \%$.
Two species of Dysostines named.
Trans. Roy. Soc. S. Austr., 1892, p. 299.
Dysastines recorded as a syonym of Mandalotus.
Id., 1901, p. $2 \%$.
Records examination of Erichson's types.
Lea. Truns. Roy. Soc. S. Austr., 1904, p. 16.
Twelve species of Mandalotus named.
Id., 190\%, p. 130.
Notes on genis, now referred to Leptopsides, and on several species, with table, and thirty-five species named.

Id., 1909, p. 160.
Notes on gemus and species, ten being named.
Id., 1911, p. 67.
Notes on several species, and nine named.
Id., 1912, p. \%6.
Notes on several species, and five named.
Id., 1914, p. 2.97.
Notes on genus and species, with second table, and elevern named.
Id., 1.916, p. 322.
Notes on several species and seven mamed.

$$
I d, 1923, p .358
$$

One speries named.
Id., Proc. Roy, Soc. Vic., x: (u.s.), pt. 2, $190 \%$.
One species named.
Id., Mcm. Soc. Ent. Belge, xviii, 1910.
One species named.
Td., Proc. Limn. Soc., N.s. Whles, 1914, p. 659.
Three species named.

$$
\text { Id., 1916, p. } 735
$$

Two species named.

## KEY TO SPECTES.

A. Middte of apex of basal segment of abdomen impinging on second.
a. Tip of impinging pard shining and flat . . . sterilis
(ar. Tip binuberonate.

* 'Tuberdes closp toget ther . . . . . . . squalidus
** Tuberdes mather widely separated .. . . insuluris
A $A$. Middle of apex of basal spement inderved or ahmost straight.
B. Prostermim tuberoulate.
b. Tuberele behind coxat . . . . . . prosternalis
bb. Tuberele in front of coxale
(. Thberele longitudimal .. .. . . hoploslermus
ce. Tubercle transverse . . . . . . armipetus
BS. Prostermmen not tulereubate.
(. Mosostermmon with a projecting interooxal prorests.
d. Process bifid.
e. Aper of process its widest part . . . laminipeches
e. Apex nartower than middle.
f. Front tibiae terminating in a thin Hange. I Immalipes
ff. Front tibial terminating in a spur. 9. Size less than 4 mun. .. .. .. muiformis gg. Size mote than 4 mm . . . . . incisns
did. Process a trimeated lamina.
h. Process longer than midde eoxale.
i. Process narrower at apex than aross middle . . . . . . .
ii. Process of wen width from apex to near base
intercorolis
hoplostcthus
hh. Process shorter than middle coxale.
i. Elytratrisimate at base . . . . . simulator
ji. Elytra comjointly arcmate at base
i. Front tibian fattenod and shining internally . . . . . .
kik. Front tibiat 1 that or shining there
ddd. Prouess conical in lront.

1. Prothoracic grambes transversely armanged. m. Front tibiae with several distinct teath on lower surliace
purifer



u. Hind tibiar demtate at middre . . . erudus
the. Ilind tibiak not so armed.
\%. Hind tibiade widest near and suddemly
marrowed at base .. . . . rudis
oo. Hind tibiale normal at base.
p. Elybral setan failly long and mot in singld series
variabilis
mp. Elymal setae not as in variabilis.
2. Mesosternal process not projerting beyond coxate . . . . . .acillams
Iff. Mesosternal procest projecting hesond coxale. r. Prothoracic gramiles eomeealed before abrasion
curinutipes niger 6. ou tower surt or
unchmeresthes

rr. Prothoracic grantes fainte dis-<br>tinct before abrasion . . pentugomatis

(C. Mesosternim with interenal process not projecting.
D. Abromen thbereulate.
$\therefore$. Basal segment without tuberele, but second with two.
t. 'Inberedes as dose to sides as to each other . . setistrithlus
th. Thbereles much closer to cach other than to sides.
4. Small and thin, and front coxal not very widely separated

## Ifnuis

"II. Targe and romst, and front coxae widely separated
amplicollis
ss, Basal segment with one tuberele.
2. Prothoracie gramules transversely aramged bimaculatus
vn. Prothoracic grames not transversely arranger.
$u$. Second sament also tuboreulatir . . . emarginatus
ww. Second mot tubereulate.
$x$. Tuberede smbmedian ... .. .. tuberculiventris
xx. Thberele apical . . . . . . bicutticollis
siss. Basal segment with two tubercles.
y. Truberedes mot at extreme tip.
z. Frout coxat tonching .. . . .. !feminntus
za. Front coxae widely separated.
a. Distance between tubercles more tham lengit of second segment in middle .. aldber aur. Distance less .. .. .. .. decipiens.
y!y. Tubercles at extreme tip.
b. A wide depression between tubereles .. taylor:
bb. Without such a depression.
c. Front coxal fedbly separated . . .. marnyi
se. Front coxae conspicnomsty separated d. Alternate interstices of elytra elevated .. .. .. .. Intons ded. Alterwate intersitices not elevated . . lutosus
DJ. Abromerl carimate.
r. A longitndinal carina on ench side of middle of latial segment.
$f$ Prothoracie mranules transversely arranged
excruatus
fif. Prothomatis grambes not transversely arlanged $\ldots$. $\quad . \quad$.
ef. A transverse or curved carina on basal segm
h. All tibiac deeply noteled.. .. .. imsignipes
$h h$. All tibiae not noteherl.
i. Basal segment of ablomen straight in middle of aprex.
j. Base of elytra trisimuate .. .. bryophagus
jij. Base of elyira evemly arehed .. litoratis
ii. Basal segment somewhat incurved at middle of apex.
li. Elytra with conspicuous tubercles about summit of apical slope. .
kli. Elytra without tubercles there.
$l$. Hind tibiae deutate about middle
ll. Hiud tibiae not dentate about middle
denticulatus
advenus
brevicarinatus.
gg. Front coxae distinctly and nsually widely separated.
$m$. Carina not tonching middle of apex of segment.
n. Carina strongly elevated and inclined forwards . . . . . .
nn. Carina quite straight .. .. recticarinatus
$n n n$. Carina distinctly curved.
o. Elytra tuberculate about summit of apical slope . .. ..
oo. Elytra not tuberculate there. p. Female with a conspicuors interocular tubercle .. $p p$. Female without such .. carteri
mm . Carina with its middle touching apex of segment.
q. Hind tibiae (except at tip) not delltate or denticnlate.
$r$. Second abdominal segment also carmate

$r r$. Second not carinate.
s. Carina with a row of punc-
tures . . . . .
ss. Carina impunctate . . . .
$q q$. Hind tibiae dentate or denticulate.
$t$. Second segment feebly carinate $t t$. Second segment not carinate.
u. Intercoxal process of mesosternum narrower thas distance between middle and hind coxae.
$v$. Granules of basal segment of abdomen musually conspicuous .. .. $v v$. Granules of basal segment small and inconspicuous. $w$. Scutellum small and shining .. . $w w$. Scutellum not traceable . . . . . mu. Intercoxal process at least as wide as distance between middle and hind coxae.
$x$. Very small . . . minutus
$x x$. Of moderate size.
y. Surface near carina with (rowded puncturesand nograninles.
z. Apex of basal segment of abdomen evenly arehed ..
zz. Apex rather suddenly incurved at middle . . .
!! g. Smrface near carima with gramules as well as pulutures.
(4. Elyt and suture with small shining grambles . aa. Without such granlules
imitator
DDD. Abdomen neither thborenlate nor carinate.
E. Metastermum bituberculate .. .. . . . metustrmalis

EE. Metastermm not bitabercilate.
F. Elytra tuberenlate.
b. Hind tibiae dentate at base . . . . . senber
bb. Hind tibise not demate there.
c. Front coxac touching, or almost so.
d. Sides of prothorax bilobed.
c. Shoultares comspicuonsly produced .. .. .. .. bilobicollis
ed. shoulders rounded off . . . mighlans
drl. Sides of prothorax not bilobed.
$f$. Size moderate
lıypulus
ff. Size minnte.
8. Elytral tubereles with esmspienons setale . . .
(II). Elytral tubereles without such .. .. .. nodipennis:
de. Front coxale widely sepanated.
$h$. Middle coxate ahmost as widely separ-
ated as hind ones . . . . .
$h h$. Middle roxad much closer together.
i. Under suttace with dense and long
hair's .. .. .. ..
rampylocnemis
ii. Thader surface withont such.
i. Sides of prothorax hibobed . collatis
ji. Sides not bilobed.
i. Shoulders separately and
suddenly produced ..
hit: Shonders not produced execpt with 'vell archation of base.
l. Hind tibiae smdenty and strongly incurved at apex .. .. .. valgus


FF. Elytra non-tnberenlate (at leasi elsewhere than near shoulders).
G. Prothoracie grames tratisversely arranged or subcarinate, or multicarinate.
o. Middle coxac ridged or dentate.
p. Hind tibiae dentate at basal thited
$p p$. Hind tibine not dentate there.
q. Front tibiar distinctly noteded on one side of apex
dentipes
qq. Front tibiad not so noteded. . . ox oxyomus:
oo. Middle coxate not amed.
$r$. Hind tilbian subdentate near base . . . . trisimulus
ra. Hind tibiae not subdentate there.
$\therefore$ Basal segment of abolonen with a pol-
ished semicireular space . .
ss. Batal segment without such a space.
$t$. Shoulders abentely produed forwards
. acutangulus:
th. Shonlders not so produced.
u. More than 3 mm . in langth.
2. Derm of abdomen not concealed by clothing
cranfordi
wa. Derm of abtomen more or less concealed.
w. Apical slope of elytra subtubereulate . . .
ww. Apical slope not subtuberculate.
thi. At most 3 mm . in length.
x. Abdominal clothing not conceating derm .. . .
$x x$. Abtominal chothing normally concealing derm.
y. Withont a posthumeral tuberele or swelling . . strialus

I!!. With such.
z. Interstiees of elytia even arematus
za. Altemate iuterstices
feebly elevaterl.
a. Widtil of elytia at smmot of apical slope as great as at base . . .. lutebricole atu. Width there less . . subhumeralis

H. Sape yery stont.
b. Pronothan with large, isolated gramates . . nodicollis
b6. Promotum with denser and smaller gramules. b. Base of rostrum suddenly elevated . (tmmophilus
ce. Base not suddenly elevated.
d. Elytra with an intermpted postmectian pale fascia .. .. herbivorus
dd. Elytra without such a faseia.
c. Less than 4 min. in length . pondericornis
re. More than 4 mm , in length . . arassicormis
IIH. Smape at most moderately stout.
I. IInd tibiate armed . . . . . . . . fergusomi
II. Hind tibiad not armed.
J. Front coxale formoling.
9. Antemace masmally long and thim .. Iemuicormis
gig. Antemate normal.
h. Tind tibiae conspienously fringed with long hatis in both sexes
hh. IInd tibiae not so l'ringed.
i. Prothorax, avem after abrasion, without conspicuous gratulus.
i. Fairly large .. .. .. howensis
ij. Smali.
li. Ebyra fully twier as long as wide inconspicures
liki. Elytua lessis than twioe ans long as wide.

1. Eyes smatler, and with targor fiacets than nsial . . . punclicollis ll. Eves normal . . . . . squamibumelus
ii. Prothoras, at least after abrasion, with eomspicnons gramules.
m. Distance between eyes less than width of an eye .. ..
inusitutus
mm. Distance between ayes more than
n. Elytia macnlate.
o. Sides of sytial paralled for
part of their length ..
macrops

> width of an eye.
mar'ulatives
oo. Sides of elytra nowhere parallel.. .. .. cordiponnis
mu. Rlytara incomspicuously or not at all maculate.
p. Elytral clothing more or less rough.
q. $\Lambda$ conspicnons prominence between sentellan region and eath shoulder
. . qq. Withont such $p p$. Elytral elothing evenly plating surface.
$r$. A polished, deep "avity' on abdomen and ructastermum
$r r$. Depression shallower and not polished.
$\therefore$ At least 4 min. in length ss. Less than 4 mm .
d.). Front coxar distinctly and nsmally widely separated.
K. $\Lambda$ sudden and doep) cavity common to metastermum allud aldomen . .. .. KK. Cavity, if present, not, both sudden and deep.
L. Grammes in middle of promotnm with setale only.

1. Basal secmene of abdomen withont gianmes, size simall ... ..
2. Basal segment with glamules, size larger.
3. Elytral grames apparently confinted to suturo . . . . "11. Elytral grammes visible elsewhere before abrasion
selicollis
cavinentris
LL. (frambes (if present) both setose and schamosis.
M. Hind "oxale armed
postcoxalis
MM. Hind coxac marmed.
N. Front coxar much more widely separated tham middle ones
hoplocuemus
NN. Fromit and middle coxar widely and ahmost (or (quite) expally separated.
1 . Middle coxal amed
$v r$. Middle coxale marmed. $u$. Metastermm and basal segment of abdomen densely pilose
piliventris ww. Under surface not densely pilose .. .. .. ruui
microps
coralis
gymmoyuster
alpinus museivorus
reticulutus:

- 

libinlis

NNN. Feom roxat less widely separated than middle ones.
O. Front tihiale strongly dentate fowards base

. .

OO. Front tibiade denticulate at most.
P. Mimutr. . . . . .

PP. At least 3 mm . in lengilh and usually multh more.
Q. Elytra distinctly trisinnate at base

QQ. Elytra sumedy, if at all, trisimate at base.
R. Suture, on abmasion, distinctly paler than adjacent parts
Rili. Suture not paler.
S. Elytrat with seales only . . . squamosus

SS. Elytra with scales and setae . .
T. Intereoxal process of mesostermum wider than coxac .. T'T. That process narrower than roxae.
1T. Mind tibate suddenly thimed
from abont the middle
collaris
UI ${ }^{\text {. }}$. Hind tibiae not as in collaris.
V. Prothorax, on ahrasion, with very mimute grambles.
$x$. Ciliation of front tibian rather dense and long ar $x$. Ciliation shorter and much sparser.


VV. Prothorax, on almasion, with large but almost obsolete granules.
9. Derme normally ahosit flavous .. .. $y y$. Derm normatly much darker
VVV. Prothorax, on abrasion, with ordinarily distinct granulcs.
W. Abdomen almost qlabrons. subglaber

WW. Basal segment mpamose amd setose in middle.
z. Cilation of front tibiale long and fairly dense
2z. Front tibiac with sparse and rather long setae, but not ciliate
WWW. Basal segment setose only in middle.
X. Prothoras as wide as elyta abonolatus

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XX. Prothoram mamouror that
        A!tra.
    Y. Depression of aldemmen
        confined to hasal sum-
        ment . . . . . spmrors:
        YY. Depression contimmed on
        to second swgmenl . |luynstipirtm.;
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## NOTES ON KEY.

As in previons tahles, the present one deals with maldes, except that II. carteri and M. intorocelaris are separated by their females. It does not appar possible to give a table of fumales by which most of those known may be identifid with rertainty, and many were not deseribed, as it was lomed impossible to associate them with their appropriate mates.

The transverse armagement of the prothoracic grambes of many speces is greucrally quite emspichous before abrasion, and is usually duw to some of the gramules being placed in irregnan tomserse rows, bather than more or fose ©osely eompacted; but the chatacter alters, till on some specios the sutatere, after abrasion, is seen to be traversed by momens fine and quite sharple defined carrinae, which may or may not be imterrupted; on M. crangordi and M. multicarmatas, in partienlar, they are very distinct. On several spectes there is a faint indieation of manserse arrangement on the sides only, but this has not been considered as warmating the species being placed with those having the beanserse arrangement present.

In the 1914 table some of the species were associated as haville "Front coxime more or less widely separated", as against "Frout coxae not widely separated", the batter heing again divided into these in which the coxad were in athat comtane and those in which they were stighty separateri. As harse divisions were not always easy of application, the main ones now used are those in which the eoxate are in actual contact, and those in which they are distimetly, and msually very eonspienously separated. As the liront cosare of the males are often slightye larger than those of the lemales, beer distanee apart is sometimes slightle lese tham in the females.
C. p. On A. Eurubilis the ayta, when viewed from behind ate seen to hate the dothing rather dense; the othere sperics, when so viewed, appear to have stouter sotate, mostly in single series.
 short carina.

DD. If. On M. armisarios the abdomen might be regarded as having the abdomen tuberentate, instemb of ratinate; if so regarded it combla he associated with M. glaber and M. decipiens, two much larger and shining species.

DD. 9 . Ln the 1914 table fone specics with earinated abdomen were assmiated by" Front roxac fechly separated". OL these $M$. litoralis really has the front coxac tonching, althongh owing to a slight amome of dirt this was mot. evident on the trpe. On M. whenus the separation is so shight that the might fially be resaded as tonching. On $V$. biearinatus and $M$. blachburni they are separated less widdy than on most speces of DD. ag, but the separation is (gnidn distinct.

DD. $r$. In the lable $M$. magnicollis and $M$. black burni arw separated her chatacters of the ahtomen: on one mate of bluchburni there is a slight aboasion If the second segment, as a result of which a shining line might be robsidered a carina; but on mamicollis the earina on the second sement is curved, and mach more distine than that on the hasal seement.

DD. IfI. The midde and hind roxar are at their elosest in at sommerat
 widely separated.
 some distames from the apere of the basal segment of the abdomen. but one "lose axamination the sutare is sean to be rather suddeny inconved at its middr, son that the hind margin of the segment is reatly partly formed ly the carina.
G. On all species the front voxat are distinctly and hisually widely suparated.
(f. s. Not a carima, hat a Hat spare, arehed at its posterior end.
G. 1. On this speetes the transerse atragement of the gramule is bes conspicnoms than on others of G.
G. $u$. 'The lengths given arr exchnsive of the rostrum.
G. res. The abdomed of the type of M. aremellis has been parthy aboaded; as is widenced hy the dense cothing of the nom-abraded parts.

GG. On the sides of some species a slight transerse arrangement of the grammes may be tramed. hat this is not contimed aceross the dise as on the speuies ol $G$.
H. On all the species the front coxace are tomeling.
 of ahrasion is neded to see them dearly, aven on specinems in gemed andition.
I. This dows met refer to the ajpical spur, present on all species of the gemms. I. fand f! Not nsed in table.
J. $n$. On specimens in poor condition the spots aro mope or less mblatated.
J. $r$. On the lwo following speesies the abdomen is depressed, hat there is mot a seereially deep polishad hadek space along the midda.
 surface is large, but is shallow posteriorly.

NNN. On M. rufimumus, and several other species, the front eoxat are quite evidently separated, the middle ones still more eomspichonsly so.

Nantes that have been used in Mandatotus or Dysostimes, but are not inc-luded in the table, are as follows:

| carinativentris Lea | $=$ fuligincus Pase. |
| :---: | :---: |
| imponderosus La | Onle female known. |
| tatus Lea | Only female known. |
| pitipes Pase. | Sow Timureta. |
| pilosus Blarkl. | Now Timmela. |
| pin!ıuis Lea | Now Timareta. |
| mesittus lam | Now Timareta. |
| pustulosus Pasme. | $=T$ pilipes Pase. |
| rigidus Er. | $=$ crutus Es. |
| rufipes Lea | Only lemale known. |
| wentratis Blarkh. | $=$ sterilis Er. |
| velutus Er. | $=$ steritis Ers. |
| wedgensis Lea | $=$ punctiorntris Batakh. |

## MANDALOTUS STERILIS Er.

## Fig. 78 a.

In the original diagnosis of Mandulolus, and of the fome speces attributed Io it, Erithson never even mentioned the abdomen. On examination of the lype, however, Blackhme ( ${ }^{3}$ ) said that of M. strilis, which he presumed to be a male, "the sutme between the first and second ventral segments is extremely fine, and the sements themselves on the same plame ${ }^{\circ}$; and stated that he considered M. vetutus to be its female. He also considered that Dysostines futiginens Was a synonym of steritis. Subsequently ( ${ }^{(2}$ ) I commented on some specimens as probably sexes of steritis, and in 1914 included them in the table mader that name. These specimens, however, are certainly all females of M . ventrolis. Tha species oceurs commonly at the roots of beach-growing plants in Tasmania, Vietoria, and South Anstralia, and I have examined hundreds of specemens of hoth sexes. The male is distimet by the basal segment of the abdomen having its middle largely encroaching on the second segment, with flor enoronehment highly polished; the makings of the mper surface vary considerably, and the length (withonif the rostrmm) varies from +108 mm . The female, in addition $t 0$ many other sexatit distinctions, has the suture between the two basal segments of ablomen very faint, extept at the sides, and is the only female in the groms known to me in which it is not distinct throughout. I an now fulle convinced That the type specimens commented upon by Blackburn as sexes of one species

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(slerilis male and velulus femate) are reatly both females of nemtrulis, and that thr eperimens I eommented upon as sexes of sterilis are also all femates of wentrulis. Blackbu's conjecture that Dysostines fuligheus is a symmpm of sterilis is incorret: the mate of fuliginens has a conspicuous watian out the hasal segment of the abdomen, and is the species 1 subsequently hathed darinatimentris.
althongh on commenting on some British Musemn specimens of fulyineus. (3) 1 was still moler the inpression that the abdomen was simphe in both sexes of sterilis. The synonymy of these species is therefore as follows:
M. sterilis Er.
M. vetulus: Er.

Dysostiurs ventralis Blackb.
M. Inliginens Pase. (Dysostines).
M. carimutimotris Lea.

## MANDALOTUS PUNCTIVENTRIS Blackb.

Fig. 80, a.
M. wedgensis Lea.

In commenting upon a rotype male of M. punctiventris, on a previoss neakion ( ${ }^{1}$ ), I stated that a "urved line on the basal segment of the abdomen conld hardly be considered as a cariua: on re-examination, and on comparison with the lype of $M$. Wedefnsis (mfortmately now to be recorded as a syonym of it), it appears to be slightly variable in its clevation ; in the acompanying table it is now placed with those having the abdomen carinated. The emments npon the armature of the middla tibiae should have been upen the hind ones.

## MANDALOTUS INTERCOXALIS Lea.

Fig. 80, y.
The hind eoxale of this species are armod somewhat as in M. postcoratis, from which it is at once distinguished by the intereoxal process of the mesostermim.

## MANDALOTUS CARTERI Lea.

Five specimens, taken at an devation of 5,000 Peet on Momnt Koseinsko, differ from the type in hating the hags and stema less hairy, and the prothoracie grambes less distiact, both before and alter amasion.

## MANDALOTUS LONGICOLLIS Lea.

T'lupee females, taken with a male at ant clevation of 5,000 feet on Monnt Kosciasks, differ from it. in heing shorter and more compat, the abdomen shorter and more eonsex, its basal segment nou-tarinate, and all the tibite simple.

[^1]
## MANDALOTUS SQUALIDUS Lea.

Fig. 78, 1.
In the original deseription of this species the second segment of the ablomen was deseribed as having two small tubercles in the middle, and the species was placed jn the 1914 table of the gemus in a position based on that supposed chanacter. The trpe, howerer, was somewhat dirts, and on examination of fresh sureinems from Quorn and Peterborough it beame evident that the mbereles are really on the basal segment, the apex of this being strongly produed in the middte, somewhat as on the male of $M$. storilis (urntratis), althemgh the l.wo species are very milike in other respects.

## MANDALOTUS CRASSICORNIS Lea.

Three specimens from Stradbroke Tskand wre smaller than nsmal, and their suales are pald ashen-grer, with faintly infuseated spots.

## MANDALOTUS PONDERICORNIS Lea.

Fig. 80, v.
Four specimens, three males and one Pemale, from Lakes Entrance (Victoria) evidently belong to this speries. The male difters from the femate in having the basal segments of ablomen quite flat or even faintly depressed, and with the intereoxal process of mesostermum feebly produced in fromt, althongh not conical. On ome of the males there are several whitish spots soatered about on the eltia: on two of them the alternate interstioes of the dytra are more noticeably elevated than on the others.

## MANDALOTUS INUSITATUS Lea.

Fig. 80, b.
On preparing to draw a hind tibia of a specimen of this spoces, Mr. Tindate notiece that its left himd dassus was distinctly five-jointed, the others all being norwal.

## MANDALOTUS PUSILLUS Lea (now TIMARETA).

On floating off the type of this species for reexaminalion, it was fomed that the apex of the prostermm is seareely inemered in the midhle and that the ocular lobes are entirely absent. Wis therefore a thimarata.
M. ARMIPECTUS Lea. Fig. 80, x.
M. BLACKMOREI Lea. Fig. 80, s.
M. CARINATIPES Lea. Fig. 80, d.
M. CELLARIS Pasc. Fig. 80, e.
M. CRAWFORDI Blackb. Fig. 79, a.
M. CRUDUS Er. Fig. 79, b.
M. DENTIPES Lea. Fig. 80, n.
M. FERGUSONI Lea. H'ig. 80, f.
M. GRANULATUS Lea. Fig. 80, $}$
M. INTEROCULARIS Lea. Fig. 80, t.
M. LAMINATIPES Lea. Fig. 80, 0.
M. LAMINIPECTUS Lea. Fig. 80, г.
M. MESOST'ERNALIS Lea. Fig. 80, aa.
M. RUDIS Lea. Fig. 80, h.
M. SCABER Lea. Fig. 80, i.
M. SYDNEYENSIS Lea. Fig. 80, j.
M. TENUICORNIS Lea. Fig. 80, w.

Sketches of parts of these species are given for purposes of comparisom, but it is to be noted that the appearance of the tibiae varies from ahmost every point of view.

## MANDALOTUS INSULARIS sp. nov.

of Blackish-brown, antemae and parts of legs reddish. Densely clothed with muddy brown scales, interspersed with stiff, suberect setae.

Rostrum short and strongly curved ; median carina traceable only at apex. Antemate not very thin. Prothorax moderately transyerse, with small gramules,



 middle, with mamerons finte lines and small punctures, its afpex slightly inpinging. ow second and with wo small but distinet tubrerehe. Front rexate wather witely
 of the rostrum.

Hab. Qumas:and: Stradmoke Iskal (H. J. Carter). Trpe (mique), 1. 1.9986.
 that it pally impinges on the second, athough not by murh; rewarding it as

 othere at from the sides. Rewedine it as bemging to D. of the table it ronlal
 Whose thberedes arr aboolt an fall apart. is a thimer species, with more con-

 "lose together. From the side eath tuborele appears as the abrapt ending of a shot ridere, but from in front or behind adel appears distinctly conteal. The endome of the domen of the trpe is as deservibed. hat that of many species of the gatme valice from reddish-brown la black.

## MANDALOTUS UNIFORMIS sp. nov.

Fig. 80, bb.
a Backish, antemate and tarsi dall reddish Densely clothed with muddr-brown scales, and with stont, decumbent setae, on the elyatra seriate in attagentant.

Rostrom mondrately anved; modian warian party courealed. Antemae


 large pmotures but appearing mach smaller throngin elothing: posthmeral promineme feeble. Abdomen gently comvex, wopt that interoxal process is slightly depressed ; intereosal proeess of mesostermmm moderately wide, projecting obliquestremats, with its tip whas and lembly hitiol: intereoxal proesse of prostermm ahout haff due width of eaxie. Fimom stout, tibiae cather strongly hisinuate om lower strfare. Langth, 3.7 .5 mm .

Ilab. Vistoria : Mount. Feathortopr, 6,000 fept, in August (F. E. Wilson from C. Bareett), Type (unique), I. 15946.

The Enteroxal proenss of the mesostarnem being bifid (althengh very feohfy (on) associates the species with M. Incisus, from which it differs in being smaller,
 more strongly bisinhate. The fermora abe ohscmeds emged; on the abloment the Plothing monsists almost entirely of seales, conemaling dense and smalt ponctuters, asept the enrved hasal row of targe onex.




## MANDALOTUS PYRIFER sp. nov.

Figs. 78, с; 79, с; 80, p.

a Blatek, amtematr ami parts of lpgs obscheply reddish. Densely wothed
 the suture and ofld interstices, wather sparse on the wem ones; laes with thinner


Rostrmm stomt and "meve, modian earima concealed. Autemar rather thin. Probhorax almost is long as wide, sides strongly amb arouly rombled; granules
 prominent, a notrh hehimb nall, altermate intersties slightly elevated; punctures momally concealed, exept on sides, where they appear viry smatl. Metasternmen and twa hasal segmonts of abtomen with a wide shallow depression, on which the setar are thimmer and mure mmerons dhan on the dest of the smeface. Meso-

 acute ferth on the lown surface, the tip achtely produced. Length, 6.5 mm .

Hub. New Sumb Wales: Jindahyme (H. J. Cavere).
Tn the table associatod with M. mesostermatis, from which it is at once distinernished by the from tibite, it is also a sommenat larere sperins, with the mesostemal proess mow thirkened fowards hase f pear-shaped with the statk end in tront.). The (lothing of the mater surface is somewhat pater than that of
 Where: the femora are forbly rined. There are nmerons small dark spots on the elytra. The feeth on the front thian are very eonsphenons from several
 apex. Nou pat of the type has beem ahrated, but the transverse arrangement of




## MANDALOTUS AUCHMERESTHES sp, nov.

Fig. 78, d.


 "omparalively thin. Prothorax almost as bous as wide, sides strongly rounded,
 distimet belome abrasion only on the sidos. Elytat rompontly arelate at base,














 of the gemes conld be assumialal with M. Pariabilis and M. Marllams; fom the







 they are langer and less rombed ant the mate that on the fermate.

## MANDALOTUS PENTAGONALIS sp. nov.

Fig. 80. er.


 the sides: lut with sotare omly abewher.






 stormon with a shallow, wide depression. Latereoxal process slighty projerting. sides oblignely ditated from base to beyond the middle, and then marowed on
 lengeth, ismm.

Mrb. Victoria: (heltenlam, from moss in April (F'. E. Wilson). Type (mic(ue), 1. 1.9948.
 smaller, and the fromb coxat are closer together ; the 1 wo suceses difter also in
 Infore abrasion, even in the midde. The type is pobably immature, but seremal spectes are momally ghite as pate. It has not been abrated to make sure of the
 appen to he math barowre that the interstices.

## MANDALOTUS SETISTRIATUS sp. nov.

Fig. 80, k.
B Bhank, antemate and tarsi reddish. Densely elothed with muddy-hrown seales, intersporsed with stiff, sloping setae.


 aboasion only on the sides. Elytar eomointly rather derply areuate at base, posthmmeral tuberede non traceable, intersticen even; pmothes of large si\%e, hut appearing mold smaller thomgh athing. Basal segment of abotomen with two small and rather achate tuberetes, slightle closer to sidns than to cach other. Frome
 footh one-third from apex. Langth, $3 \cdot 5 \mathrm{~mm}$.

Hab. New sonth Walus: Hastings River ('T. (i. Sloame). TYpe (mique), 1. 150.54.

Very distime by the abdomen and hind thate. The dytra, when vinwed from behind, appear to have the seder in quite regular rows : after abrasion thene


## MANDALOTUS TENUIS sp. nov.

Fig. 78, e.
 ashen eqrey seales, interspersed with setate: most of buder surfare polished and graburons.
 Rostrom wot way long, rather suddenly diated abont apex: median carita
 widr, median line well definca; grambes small, monerous, and lather mugh.
 prominence ahnost albsent; alternate interstices feebly elevalded with rexgtan



 between middle and infex, Lenglh, o. 25 mm.

Itab Victorial Beaconstiold, in Mareh, April, amd July (E. E. Wikson). Type, T. 15953.

In the table associated with M. amplicollis, from which it diffors widnly: from the mereding speries it difters in the distaner ber werm the font exale, in
 very monspichous from the sides. The oentar bobs and the incorvatore at ape


 is visible before almasion. The hind tilian from several points of view apmear to have the juma apical hatt sempere out, moth as on the make of M . celleris.
 for the apex ol ablomes, om the thine it is entirely bright castanmons the last specinen was takem from a nest of the ant Edatomma metallirum, but it west probably there by aroident.

## MANDALOTUS BIMACULATUS sp. nov.

 brown seales, heroming pater on parts of moder surface and lage, sytra with two whitish spots al hase; with fatry dellse, stomt, curved seliar, but eonfind to a single row on each thetral intorstice.

Rostrum smmewhal longer and lose emever than nsual, madian eaninal won-



 punctures conspirnoms before abrasion, hat aprearing moch smather than they

a1. midulle of apex. Front and middle cosile abmost eqnally widely reparated; lower surface of hind tibiae with a tooth mear apex and one at apex itself. Length, 6 mm .
 Gumensland Musemm.
 and abdominal catinad. The front and midde tihiae lave small teeth, hut these arre seared!e traceathe through the elothing.

## MANDALOTUS BIVITTICOLLIS sp. nov.

\& Black, antemak and tarsi obsemedy rededish. Deusely elothed with sooty-brown and grerish-white soles, imegnlanty distributed, and with moderately stout, curved setae.
 bather long and thin. Prothorax slightly franswerse, sides strongly ronded, modian lime feeble: gramules fehbe, and normally quite comedaled. Elytra con, owintly atenate at base; posthmeral furminemese absent ; thiod interstice with a freble clongated tubercle just berond the midde, tith with is still more feeble one neater the apex, and remmants of others between it and the base; with almost
 ably of rather lange si\%e. Basal segment of abdomen with a small atote tuberebe in middle of apex. Frout and middle wowe widely separated ; tibiae longer and thimer than hishat. Length, 3 mm .

Ilab. Victoria: Melbourne (W. du Boulays). 'S'ype (muique): 1. 15959.

 apex of the hasal segment instrad of some distance before it the tuberele is ghite conspicnous from the sides. The seales on the pronothom are mostly soots: but thete is a conspichons whitish vithat on each side; on the elyter they are mostly pale, but become sooty an the hubreular swellings: on most parts of the
 obsemert.

MANDALOTUS ARMIVARIUS sp. nov.
Figs. 78, f; 80, q.
of Blackish-brown, antemace and legs obscorely redrlish. Demsely elothed with mandly-hrown seales, interspersed with suhered setale the mondre surface more sparsely elothed. Rostron short and chrved: median canina shining; and distinet from base to apial plate. Antemae rather thin. Prothoras ahost as





 pacticatly at the apex al the serment in a distinct tooth. Front coxate atmost
 himed ones acutaly dontald ahout middle. Length, :3-3.5 mm.



Hab. Victoriat Belgrave in July and Novenber, Ferutrer Golly in April (F. E. Wilson). Tylue, 1. 15959.
 well as in the acempanying ons, the specios wonld herasociated with M. heytori. from which it differs in beeing mmeh smallare, and with the abdominal depression continned on to the metastermmen, instead al ronfined to the apiral hall of the
 bicarinate, it should la parod with $M$. emomotue, which has rery different lags,








 milmost so.

## MANDALOTUS INSIGNIPES sp. nov.

Fig.s. 78, !e: 7!, i.

 interspersed with setae.






 Pasc.; f, of M.fergusoni Len; g, of M. granulatus Lea; I, of M, rudis Lea; i, of Jl. sculeix Lua; J, of M. sudneyensis Lea; $k$, of $M$. setistriatus Lea; I, $m$, of M. medeoxalis Lea. it, Tart
 armizarius Leat: 1 , of M, Lioploenemus Las. s, Head of $M$. blathimorei witls doeidosma mandibular
 5 , Antemas of $M$. panderieormis Lea; w, of $M$. tenaicmions Lea. x, Jrostermal bremess of $M$,


with theoe toherelos, including one at base, fieth and seventh mach with theres and a fuw smaller ones mewhere; with large, partially concealed proctures Abdonom with a deep depression on hasal two-thicds of first sequmb, and contimed on fo motastermm. Frout coxae practically touching; fomora very stout; fromt and middle dibiae deeply uotehed, hind mes with two very laver teeth, of which ene is much Javger than the other: Lengeth, 3:5 mm.
of Differs in being wider, cyas smaller, prothorax less transerse, most of the elyozal toberoles of smallere size, the aprical slope with palme chothago, alodomen consex and simple fomota thimer and tibiat simple

Hak. Victoria: Millgrove in Jamary (F. F. Wilson). Type. 1. 1raso.
Its legs rendet this speciss probably the most remarkable ome of the genus. The hasal sexment of the ablomen of the make has a deen demession, with the sides of the interonsal prooess ridged; behimd the depmession there is a feeble
"arina, intermpted in the middle, bence its position in the hahto. But regarding


 prothoracie gramben transersely aranged and ordinary lags. The wes of the make are so larer that mall is folly as wide as the distance betwem hem, althongh


 mot brinw lully matured whom taken.

## MANDALOTUS DENTICULATUS sp . nov.

 medtish, hege palde. Mombately chothed with brownish scales, imempersed with

 moderatoly long. Prothomax moderately transerse, sides and disw burvon,

 mbeh smaller throngh "hothing. Motastermm and basal segment of atoloment comjointly moderately ronrave, the deprasion on the abdomen bounded posterion! by a darver and bather feoble carina, the middle of whide tomedos the apex of

 hind omes with a small arente tooth at hasal third, and thence donlientate to apex. length, 3-3-5 cmm .


 thinner, and thiar simple.
 and Buadmsfield in Anghst (F. E. Wilson). Type T. 159.57.

In the 1914 table of the gemus this sperjos conlat be assoceated with $M$.


 Small fimales (ond of which was taken from moder fallon leaves) somewhat
 arre mot in contact. On the mald (only one of which was bakent the largest
fuberele is on the third interstiee, just beyom the mideller it is the immen one of an olsigne row of towr ; berond this row is a semond, of which the barqest luburete is on the fifth interstice, and there is a tess conspienous bow mat the
 and the suture ako is thickened at the smmmit of the apieal slopee

## MANDALOTUS BREVICARINATUS sp. nov.

Fig. 78, h.
B Black, athlomate and parts of the logs obseorely rededish. Densely clothed with moddy-brown sales feddy variegated with palar omes, and intrrsuressd with munerons sloping setae.
 Andemad moderately thin. Problomax shaghy lomgre than wide, sides strongly

 scarcely traceable; alternate interstioes forbly (devated; pumetures large and widen than inturstices, but appabing very shatl throngh dothing, of even con-
 third of the width of the segment, its middle tombinge the bip, between it and
 Front woxe tonching: l'romt and middle tibiar ferdly dentiontate, the apex


Hab. Tusmania: Latmeestom (Ang. Simson). Type, I. 15958.
In the $191+$ tabla of the gemus this spectes colld be assmemed with $M$. bremphumex. but the there males before mo are all larger than the type of that sperebes, the ahdonch is more comeave at its base, and the distance between the
 the prothoracie arambes on the sides, hot it is not contimons across the midelte. 'lowe limiole and tarst are paler than the rest of the appendages, at first glance the seape ind flul appeating of the atmost black.

## MANDALOTUS RECTICARINATUS sp , nov.

of Black, fomide, basi, and trowhaners roddish. Densely chothed with

 not wery long. Probloras moderately tianswerse, sides strongly romedod, median lime distime ; erambe mmerons and lairly well defined, even before abrasion. Elytra conjomily amenatu at hase, hasal hall paralled-sided, posthmmeral promi. weme absont, altemate interstices feedly elevaterl; with rows of large. but
 moderately consex, a short, straght mabial lanly close to its apex. Front roxald

of Differs the having the prothorax smallar, with its sides more exonly



Ilab. Somth Anstralia: Myponsa, mumerons sporinuens from moss A. II. Elstom). TYpe, 1. 12870.

A small spectes, ver distine by the abdominal "atillat of the mate, this

 canina ardod and tomehng the apex of the segmand. The seape and chat are


 altemate interstice. On lipeh sperimens there are distimet pale mathings on the sides of the prothoras, and on tho apical half of the rlytia. On abrision
 on the fomate they arron sombint smaller.

## MANDALOTUS HYSTRICOSUS sp. nov.

Fig. 78, i.








 at hase and bevond the middle; pollobmen appeating rather small thomarh dothing. Basal segmont of abdomen with a wide alrved earina, its middla




 spur. Lengtli, 6 mm.







 appear rather strongly trisimbate at base from dimetly : alowe the trisimbition


## MANDALOTUS VIGILANS sp. nov.

Fig. 79, a.





















 the diameter of an ere, in the lemale the distance is stishtle more than then
 Hown litand), whid has vers difforent shoulders. On fresh sperimens, in


## MANDALOTUS HYPULUS sp. nov.

o Black, antennaw and pats of hass somewhat reddish. Densely clothed "ith sooty-brown, licoly vamated scales; ach fomme with a pate ring with


Rostrom, shorl, stont, and "meved: modian earina laintly indicated through Alotheng. Antemate father lomg and thin. Prothorax slightly wides than long. sides ford ly dilated liom hear base to beyond the middre; with eroweded and small gramules, distimet an abasion, lont feebly indieated nomally. Whetra Wisimuate at hase, nothed behind adols shonldar, pothomeral prominence
 at hase, and at lately distinet tuberete at summit of apieal slope, the fifth with
 pmotures. wider than the interstiess, but apponing mull smallore throngh
 depression on basal scyment, contimed on to sumbed, hat shallown thare. Front


Th addition to the distinct foldeceles abont the summit of the apheal slope, there and other fantly indicated ones posterincly. The atothing wonld probably: be more varieqatod on fresher sperimens than on the trpe, as the pate soales on the femora ame some of those wsewher have a shight golden gloss.

## MANDALOTUS FUNEREUS sp. nov.

is Blank, Maw joints redelish. Demsely elothed with sonty-hrown, fembe vardegated seales, interspersed with stome, depressed setas.

Eyes small. Fostrom stant and strongly urvad; median carina invisible. Antmand faidy lomg and thin. Prothoms slightly transurse, sides strongly
 armate at base, shedtly notehed hehind wath shombler: with the posthmemal
 summit of apical slope, the thid aks at base; with large pumetmes, much wider than the interstiexs, bat apmoning quite small thonght the whing, and a fow
 Front coxal widely sparatel, from and hind tibiae rather foedsy domitedate on lower simface, the midalde pair still more forlly. Length. 7 mm .

A large speeces, hat with tabereles so feehle that il was mily after hesitation
 be associated with M. transerexns, a wider spectes, with base of elytara differem.

T'le seales, and the setar placed amongst thom, valy from an obseme brown to bhars, and are entirely withont gloss (the type is apparontly in perfeet rondition) :
 dswhere. On abmaim the prothorax is seen to be traversed be mamerons thim.


## MANDALOTUS MEDCOXALIS sp. nov.

Figs. 78, j; 80, 1, m.
 salus varying from grevish fory soothown. and intrispersed with mamerons soping setae foront libiar emspicuously ciliated.

Rostrom rather shon, midelle emina thin and distinet thonghomt. Antemath moderately long and thin. Prothorax slightly transperse, sides strongly rombded: shtrace traversed he mumerosts shord, interrupted carinar, or be gramules frans-
 welate at base, but arenation interompted on eath side bey awelling at the base of the thed interstice: a motrh behind eath shonlder, posthmemal prominemen bather conspicuons; with subthbereutar swellings on and about smmot, ot apioral slope: punctures large and wider than interstices, but appearing mobl smaller throngh dothing. Basal sowmont of abdomen and metastermm jointly shallowly depressed. Fromt moxite widely separated: middle roxat armed with a thin. bhant torth. propeting ohliguely backwards; front tibian strongly ebred, hind ones with an ohligho ridge on hower surface; and between there to apes strongly inemeot. length, 5 - 6 mm .

Hab. New Soutla Wales. Dorrigo (W. Meron and H. J. Calter), Typr, 1. 15960.

Readily distinguishablay the wanders noted in the table. The dyrin
 begated as toberoblate, regarding them as such, however, in the table the speres "ombl be distinguthed form ath those refored to F be the armed middle coxar. 'the pidge on the hind tibiar from the sides appeats as a small tooth. Of the there males ohtained moly on has apparenty attained its fall rolouring, fla
 alsa smmewhat reddish.

## MANDALOTUS OXYOMUS sp. nov.

d Black, antmmar and tarsi obsemely reddish. Densely elothed with muddr-hrown seales, obseutely varicgated with small paler and darker spots;
 surfaed but hot ciliated.

Eyes comparatively amall and quite circulat' Rostrom shont and stronply
 Prothomx rathe fedly wasterse, sides stromely and wonly rombled traversel
 rompointy are tate at base, shonlders lateralle prominent, a distimet moteh bet ween

 romeated. Basal segment of abroman shallowly depressed abont base, the


 Lelogth, is mm .
 1. 15977.

The middab rexan embld soaredy be regarded as armed, still the ridere is very monspienobs from the sides, and from some diredions appeats almost an il tooth, and to at ermath extent appoades that of M . dentipes; from that speries
 is comspienomsly notrhed.

## MANDALOTUS MULTICARINATUS sp. nov.

of Black, anteman and parts of lege ohsemely reddish. Mondrataly wothed with muddy-hrown sodes, with rather sparsely interspersed setar: muder sulface with thin setar only.



 at hase ; interstices mot reparation convex, and mot alterolately elevated: pumeturo comparatively small. Ithder surface with arowded and small pumethres; hasald suguent of abdomen with a shallow depressions confinued on lom mastermme Front eoxae moderately separaterk, all tibiate sudemly dilated at apex. Lemgeth, 3 mm .

Itab. Victoria: Kinllymu in Siptomber (F. E. Wilson). TYpe (mique), 1. 15966.
'The sparse and thin chothing of the mader surface allows the werm to bre

the gemns, but from whioh it differs in having the body parts back, with the antemat amd parts of legs onscmery reddish. instead of ahmos flavous; in cruwfordi, except for some of the scales, moly the eres aw hack; that spectes
 Than is usual in the genns, on abmsion their greatest width is seen to be less than one-thitd the width of the interstiees; on the males of sumfordi, after abmasion, they are sech to be folls half the width of the interstires. There is a slight mateh behand each shoulder, mading it laterally prominent.

## MANDALOTUS STRIATUS sp. nov.

of Black, antemare ant parts of logs dull reddish. Densely blothed with muldy-hrown seales, interspersed with suberect setae.

 inereasing in widh from base to apes, and them shddenly marowed; dise

 rommed off, withont posthmeral prominmoses, interstise mat alternately devated; with rows of comparativaly small pmethes, quite conceated hefore abrasion. Busal sugment of ablumen loohts depressed in midale. Front coxate moderately sepatalled; tibias with apical spur. Length, 2.5 mm .

Hab. South Anstralia: Leigh Crork (Ruv. T. Backburn). Type (mique), I. 15967.

Structmally lailly alose to $M$. subhumeralis. but without the posthumeral tuberele of that spectes. and wilh thimme lars; in the 1914 tahk of the genus
 prothorax and comparatively large elyen punctures. Botme almasion the elytan appear to be finely striated and withont pmoblues; even altor abrasion the punctures in the stride are seco on be derideder nanrower than the interstices, and these to be densely and minutely punctate. Tho elptral sotae are confined to a single row on mach interstice.

## MANDALOTUS LATEBRICOLA sp, nov.

a Black, antemate and legs partly reddish. Densely elothed with moddyhrown or muddr-arey, slightly varicgated seales, interspersed with stout setar. on the reytra mostly eonfined to the allomate interstiens.

Rostrom shont and strongly emvel. Antemae moderathly thin, Prothoras
 or conjoined to form mmerous short ritges or carinae. Elytra conjointly but
wather feebly arenate at hase, shomblers rombled, posthmeral prominence fairly distinet, sides sulbamallel to beyond the middle, alternate interstioes ferbly
 and some of them quite romerated. Basal sumbent of abdomen slightly depressed in midhle. Front "oxar moderately separated; tibian adentel? spowed at apex. Length, 2.5-3 mm.
of Differs in bome slighty wider, abdomen more convex and legs and antemar somewhat shorter.
 in April and September, Fhtam in Scplember, and Healesville in Angist. (F, E. Witson). 'I'ype, I. 15968.

In the 1914 table this spedes ablal bre associated with M. abdomimelis and
 abdomen is eventy cothed in both sexes; liom the luther it difters in being wider, Mytan different at hase, altermate intersiores somewhat maved, and in the tips
 the hind tibite are not shblamate man hase. On epedimens in geod condition the transverse arrangoment of the prothomaio sentptore is quite evident, and


 werr taken from tussurks or mosses.

## MANDALOTUS PUNCTICOLLIS sp. nov.

 reddish. Demsely elothed with muddy-brown sales, interspersed with stont setae, on the "ytrat the setale monfined 10 a simple bow on wach interstice.

Eyes mmsually small. Rinstrim stome and moderately comved: median carina apparently absent. Antanima rather shout. Prothoran moderately trans-
 granules. Elytra mberofatr, remjointly arolato at base, shomlders romded off, posthmeral promineme athent, intersides aven; with rows of large puncturs. normally almost or quite concoated. Ahdomen with hasal segment gently

of Differs in having abdomem gently "omvex, and with somewhat shorter antennae and legs.

Hab. Sonth Australia: Bmeri. 'Tym', T. 15975.
In the 1914 table this species conld be asseriatenl with M. maculatus and M. squamibundus, from both of which it differs in heing eonsiderably smaller;
in addition it is distinet from the former by the absence of elytral spots, and its smaller eyes with coarser facets; from the latier it is also distinet be its narrower torm and sparser and finer seme: the eyes are atso somewhat smaller. On abrasion the pronotum is seen to be densely punctate and without granules.

## MANDALOTUS MACROPS sp. nov.

Fig. 80, 1.
\& Black; intennae and legs sommothat reddish. Densely clothed with muddy-grey seales, beroming prater on apical slope of elytra, and sparse on under surfare; a few suberect setae scattered abont.

Eyes monsially large and quite roumd. Rostmm short and slightly curved; mediam carina distinct in front, Antemate moderately long and thin. Prothorax moderately tramserse, sides strongly rounded, modian line distmet; with rounded granules, readily traceable through blothing; ocular lobes musually prominent. Elytra dongate subeordate, vonjointly arcuate at base, shoulders oblique, posthumeral prominence very feeble; with rows of distinct pmetures, apperting small through clothing, but probahly lange. Basal secrment of abdomen with a longitudinal depression, Front eoxae toubling, femora stout, tibiae rather thin and rather feebly spmered. Length, $2 \cdot 25 \mathrm{nmm}$.

Itab. Victoria: Healesville in March (F. F. Wilson). Type (unipuc), 1. 15974.

In the 1914 table this species conld be associated with M. maonlatus and M. squamibumbus, from which it is distinguished by the larger eves and more prominent ocular lobes. The eves arr so large that the distame low ween them at their nearest approach to each other is scarcely half the diameter of an eye. The front of the prostormm is decely and abost angulany notched, cansing the ocnlar lobes to appear umsually prominent. On the type many of the seates have a slight golden glnss, this becoming quite comspicuons on the apical slope of elytra it is probabla, however, that the gloss is distinet only on fresh specimens. In places the interstices are feebly thickenml, eansing slight divergences of the adjacent rows of punctures, but they eonld not fairly be regarded as tuberealate.

## MANDALOTUS CORDIPENNIS sp. nov.

Black, parts of antennae and of legs reddish. Densely clothed with muddy-brown seales, variegated with pale spots, and interspersed with numerous stout, semi-erect setae.

Rostrum very short and enrved; merlian carina not traceable. Antennae not very long. Prothorax distinctly transerse, sides strongly rombed; with
 atmost twice the width of prothorax, shonders rounded aff, withont posthumeral
 smmmit of apieal shope; with rows of later pumbturs, appering very small through chothing Abomen moderately mome. Frout enae abost tonching. tibiae fedbly spurred. Length, $2-2 \cdot 5 \mathrm{~mm}$.

Mab. Victoria: lame in Odober, beaconsticld in April (F. E. Wilson). 'rype, I. 15971.

A small, compat mpecien, with but reoble extemal indications of sex; the fromale is shighty barere, wider (more notiecubly in middle of elyta than elsewhere), and the alodomen is more emmex, althemghe seds in the mate it is certains not flat. The incurvature at the apex of the prostermm and the oentar lobes aro fedbe, and llar elaws ate smaller than nisual. On sperimens in perfect eondition there arw momerous spots on the arta, some "f whish are almost square, but on most ol the specimens taken he Mr. Wikon the variegation is very Pedhe. On some spemimens the legs and antennae ate dontely red, but the fimicle, cosae, and tarsi are nomally of a brighter real than the adjacent parts, althongh the seape and chab newer apear to be grite back: two on thee segments
 appear to be it actaal contact. hat when viewed from bohimd they may be sead to be slighty semarated.

## MANDALOTUS GYMNOGASTER sp. nov.

is black; imteman and legs more or loss reddish. Densely clothed with muddy-brown, variegated with greyish salus, and rather sparsely interspersed with suberect setac: muder sulfaer sparsoly dothed.

Rostrmm modurately short and enved: median carina usually distinct thronghout. Antamar thin. Prothorax slightly franseese, sides strongly romaled, median line traceable; with mumeroms lairly lage gramules, traseable before ahmasion. Elytra fobly wisimate at hase, without posthumeral luboreles. alternate interstiees Emble derated; with rows of large pumetures, wider than interstices, but appearing mach smaller thomgh ehothing. Basial segment of

 Length, 2.75-3.5 mm.

ㅇ. Difters in lesing wider, abdomen and metastermm not weavated, and untenuate and legs shorter.

Hab. Victoria : Lakes Entrames in Outober (F. E. Witson). Type, I. 15972.
The cavity on the moder surlace is somewhat as om $M$, foventus, but that is a considerably larger species, with fromt wowa more widely separated. No part
of the antemate is black, or even rery dark, bat the fomicle is msmally paler than 1.he other parts; the legs are sometimes entirety reddish, but usually the femora
 segment of the ablomen is manally reddish. On an oreasional speemen there is a fairly distmed pate spot on the basal thickening of the third interstien, and several more ahom the smmmit of the apied slaper, but on most specimens the sarbugation is feebh and ill-defined. From directly above the elytra appoar ta be almost evenly arelate at base, hat from most points of view the thickening of the third intrastice canses the base to appear trisimute, mone noticeable om the female than on the malle.

## MANDALOTUS ALPINUS sp, nov,

d. Black, antemare, parts of legs and apical sesements of abdomen more ne las roddish, Densely olothed with muddy-hrown, feebly variegated soakes, and interspersed with smerect sutac, the latter confiud to a single tow on each intristice of elytra.

Rostrum rather short and comved; median carina traceable throughour. Antemme rather long and thim. Prothoran ahmes as long as wide, sides strongly
 feobly trisimbate at hase, without posthmeral fuberedes, allemate interstiens teebly elevated; with rows of lange pmotares, wider than interstices, han appearing much smalker through clothing. Basal segment of ahdomon and metastermm with a congoint hat rather shallow depression. Front eraxa tomehing. tibiae thin and feebly spurred. Length, 4 mm .

Mab. Victuria: Alps (Rev, T. Blackbmin). Type, I. 15973.
In the 1914 tahle this species could be associated with M. foralis, from whel if differs in having smoothor elytra and the prothorax less transverse, with larger but less conspicuons gramules; these and feehy transersely arranged on the sides, but not elsewhere. Structurally it is close to the preseding species, but differs in being larger, mader surface moderately clothed, and its depression much shallower. On two of the three specimens taken by Mr. Blarkburn the seales on the head have a stight golden lustre, ant eren on the dy yon a ghaming suale is oceasiomally evident.

## MANDALOTUS POSTCOXALIS sp. nov.

Fig. 78, k.
of Black, fimbiele anct tass rondish, west of antemnac darker. Densely chothed with muddy-hown or sooty scales, sometimes slighty variegated, and interspersed with mumerots smberect setae.

Rostrum shọt, stont, and curved: median carina distinct in front, but normally ronecaled isewhere. Antennae rather thin. Prothorax moderately hansverse, sides strongly roundid; with large gramules, dist met hefore abrasion; median line distinet. Elytra trisinuate at base, posthmeral projection prominent; surfate meven or subtubereulate, esperially about summit of apieal slope; with rows of lange punctures, appraring much smaller through chothing. Basal negment of abdomen with a wide, shallow depression, eontinued on to metastemum, Front exane widely separated, hind smes with a blunt tuberele; apical half of hind thibe aremtely thimed on imner side. Length, 4-5 mm.
of Difters in having prothorax smaller and elytra wider, mader parts not depresed, hind wowe untmed, and hind thitar less thimed inwardly.

Hab. Victoria: Elthan in April, Augrst and September, Belgrave in January, Mallonmo in July, Evelyn in May, Ringwood in July and September, Fentree Gnlly in dannary (F. E. Wilson), Gippsland (J. E. Dixon). Type, 1. 15961.

The armathe of the hind coxae is not distinct from some directions, but on looking at it specimen along the middle the projections ane clearly visible. The distance between the frout coxat is about the width of a eroxa. On some specimens parts of the mader surlame and of the legs, in addition to the tarsi, are obscurely reddish. On many the clothing of the noper surfaer is miformly sooty or almost so, oncasionally it is fanm-coloured; hat on one of the Gippsland males there is a distinct whitish spot on the hickened base of the third interstice on each elytron, and five faily distinct pale spots on the pronotum.

## MANDALOTUS HOPLOCNEMUS sp. nov.

## Figs. 78, 1; 80, r.

of Black, antemate and tarsi more or less reddish. Densely elothed with muddy-brown seales, futersparsed with suberect setae; under surface sparsely Mothed.

Rostrom stow and strongly curved; median carina not traceable. Antemae bather long amf thim. Prothorax as long as wione, sifles strongly rounded: with elose-sed grambles, distimed before ahmaion. Elytura feebly trisimuate at base. posthmural promineme very feeble, altornate interstions feebly elevated; with rows of large punctures, apmaring much smatler though clothing. Basal segment of abdomen feebly dopressed in middle towards base. Front soxat very widely separated, the middle ones much closer together; front tibiae with a distinet tooth on imene side at basal third. Length, 3 mm .

Hub. South Australia: Monnt Lofty Ranges, in moss (N. B. Tindale). Type, I. 15970.

The armature of the front libiat is nearer the base than in M. avenurens, with which the spectes eobld be associated in the 1914 table, and the front cosac are more than twice in widely separated as the middle ones, an mique featore in the subfamidy. The lamiele is decidedly palar than the eres of the amtemane. A smaller ( -5 mom.) ipecimen is evidently immatme, as it is (execpt for the (lothing) entirely Havos. the tooth on the front libiae is presmen, but sualler than on the type and ome of its deciduons mandibulatr prosesses is present.

## MANDALOTUS IMPONDEROSUS sp. nov.

Pala masmeons. Moderately elothed with muddy-grey slighty rabiugated seades. intersporsed with mherex setate; muder surface spansely clothed.

Eves ver large. Rostmm short and curved, median arina not tamoblle. Prothorax moderately tranberse, sides strongly rombled; gramules nomally
 monces, alternate interstiess not elevated; with rows of barge punctures, appraring much smaller throngh clothing. basall segment of aldomen shining and slighty
 $1, i$ man.

Hab. Quechstand: Nomit Tambmane. limm fallen leaves, in Janary


The typ is probably a female, as I ramot find any distinedly maseuline features on it, amd the abolomen is slighty comsex. It was described, however, ats its minnte size shonld prevent its boing eoutmond with any previonsly named species. It is dectedys smallew eren than $M$. microseopicus, wider in proportion, and whth mond latere eres the distane between these at their nearest appoach is less than the diametre "l whe ol them. Althongh its derm is entirely pate, it is by momans eertain that the type is immatme as its eyes arm hark, and the desidnous mandibutar processes have been shed. Only a slight part of the pronotmo was abraded. hont this indicates that the grames are less evident than on most specics of the gemus.

## MANDALOTUS COLLARIS sp. nov.

\& Ditati, some parts ohsemrely reddish, funiele and tarsi pater. Densely Gothed with mudde-bown seales, somewhat variegated iu parts; with stont and not very dense setald seatered abont, and becoming longer and mone nomerons (111) leges.

Fostrum short and stout, ipparently withont medtan carina, with an elevated subtrianghlar apme commenering at the interombar forta and dilated to insertion of antennae. Antemate rather long and thin; supu somewhat eurved; second
joint of fombele lomger than first. Prohoran moderately transverse, sides and dise incerglat. Elyora wider thati prothorax, surface vory meven, shoulders producod; with very invonlan rows of not very large punclures. Front coxate widely separated; fomona stont; thite whthe long. Length, 5 - 6 mm .
of Ditteres in being somewhat wider, two hasal stements of abdomen gemty fonvex in middle (instead of that), amblegs somewhat shorter.

Hab. Lord How Islaml (A. W. Lea and wife). Tソpe, I. 5802 .
ln the $1: 114$ talle of the gembs this species eould be associated with M. irrasms and Wh. Ferrogimess: bul the sides of its problorax and shoulders readily distinguish it luom all provionsly dersibed speecies. On some specimens the pater scales are but lithe in exidener, but on offers they are pery distimet amd
 on the middle of restrom lerom apex to base, and are enntinned on to hom, where they form a emspiomonsly bilobed basal pateh, on the prothomax they form fonrteen small spots (fomr at the appex, fome in the midelle, wo mesh side, and two at the lases and four at the hase of wytra. Each side of the prothorax is isregularly bilobed, the posterior lobe being usually feebly semi-domble; hetwecti it and the base the side is strongly inemwal to allow room for the projecting
 smbtubereatate, and the median line is shallows impressed. The chyta are supplied with muncrots mother lares, ohtuse tubercles, of which there are usually four on the thided interstiee, there on the filth, and four or five on the seventh; the lomeral projeetion is oblique and matally sembertomber the suthor is thekened at the summil. of the apieal shape; the rows of punctures are all deffected by the thboress. Seron specimens were obtaned from fallen leaves.

## MANDALOTUS BILOBICOLLIS sp. nov.

Fig. 79, f.
af Elaukish-hrown, some parts olscumely reddish; fronicle and tarsi paler. Dumsely clothed with muddy-hown seales, interspersed with stont setae.

Rustrum shot and stomt. Antemute long and thin. Prothoras moderately transverse, sides comppicuonsy bilobed. Elyta somewhat as in preeding species. Front coxac (onding. Jength, 4 .25 mm.

Theb. Lard Howe lstand (A. M. La mat wile). Type, I. 5804.
Strikingly elose in gencral appearane to the preverling sperias, hat with front coxae tombling, insted af widely separated : the interoxal process of the mesostermm is somewhat rommben, and ant as longe as wide: on the prepeding species if is fully twiee as wide as long. 'Inherothordx is somewhat flather than
on M. collaris, with the subtubercular elevations Ims pronounced, and sides conspienously bilobed, the posteriot lobe is more acute than the other, and not semi-double, between it and the hase the sifle is more largely scooped out than on collaris, so that the projecting shoulder has more room; the elytra are more narrowed posteriorly, the tubercular elevations are nore obtuse, and the rows of panctures are less conspicously defleeted by them. The rostrum at a glance is much as micolloris, hut the elevated inter-antemnary space is parallel-sided instead of triangular, and the apical plate is larger; the antennae are slightly thinner, but otherwise mutch the same. Two specimens were obtained from fallen leaves, and thare is mother, from Monnt Ledgbird, in the Australian Museum.

## MANDALOTUS SQUAMOSUS sp. nov.

of Blackish-brown, soluc parts obscurely reddish. Densely elothed with light brown or slaty-grey scales, on the under surface and appendages mixed with fine setae.

Eyes small, each encircled by a narrow but rather deep impression. Rostrum stout, dilated to neat apex, transversely impressed at base, feebly bicarinate on upper smrface. Antennae long bat not very thin. second joint of fubicle much longer than first. Prothorax almost as long as wide, sides moderately rounded, sculptre more or less eoncealed. Elytra wide, shoulders feebly produced and oblique; with semi-double rows of large, partially concealed punctures. Legs stout; front coxae slightly separated. Length $\pi \cdot 5-65 \mathrm{~mm}$.

오 Differs in being wider, shoulders less prominent, two basal segmeuts of abdomen convex in middle instead of flat, and legs somewhat shorter.

ILab. Lord Howe Island (A. M. Lea and wife). Type, I. 5803.
The front coxae, although close together, are not touching, consequently in the 1914 table of the genus the species could be associated with M, spurcus; but it is in fact very distinct from all prexiously described species of the genus. The ocular lobes are feeble but quite distinct from below. The claw-joints and the fiunicle are redder than the other parts, but are not brightly eastaneous as on most speries. The scales are of almost even colour throughout, but vary in shade amongst the individaals; on the prothoras there are no sctac, and on the dytra but lew, and those confined to the apical slope. The flanks of the prothorax are covered with dense and rather large punctures quite distinct before abrasion, but the dise through the clothing appears covered with very Peeble tubercles, on abrasion, however, mauy large punctures are in evidence; the median line is rather feeble. The elytral punctures lefore abrasion appear to be narrower Than the inturstices, but after abrasion are seen to be wider; the interstices are not separately convex, except on the apical slope. where the atternate ones are feebly elevated above their fellows; the sides are rather suddenly narrowed
behind the shoulders on the male, hat less amspicumstry so out the femate, and the shoulder of the male from holow appears subtuberentate. Three specimens were obtaned, one fom the satibuinh at might.

## MANDALOTUS HOWENSIS sp. nov.

of Reddish-hrown, some parts (including the antemate and tarsi) paler.

 and longer amd morre monerous mes on whern surfat and legs.


 than long, sides and base bather strongly romded. Elytra submate, hase aremate. shoulders tather strongly rombed and widest at hasal fometh; with regentar rows
 searoly sepmately comvex. and not almernately elevated. Lege rathe stout. front eoxae almost tonching. Length, t. $75-5.2 \mathrm{~mm}$.

ㅇ. Jifters in being somewhat wider, two basal segments of alodomen slightly uonvex (instead of guite flat in middle) and tegs somewhat shortere.

Mab. Lord Howe Istand (A. M, Lad and wife). Type, 1. iso 8.
In some respects ulose to M. ammophilhs, but with clothing moru variegated and setae less conspionons, fostrum not suddenty elevated above load at base, athough geufly sparately embex (as vieved from the side), and stape somewhat thinner. In mone uf elothing it apmoachos. M. erassicormis. but that species has the seape abmost twiee as stout, atm with a distimet median line on prothome, of which, (at athe rate before athasion) thore is not a trace on the present sperins; there are also many ofther differences; $M$. herbiborms has also the scape stonter, and lifferent mothotacis and rostral sentpture. The suspe is estainty of con-
 in the 1914 table of the gems. The general appeatance of the prothormand sytra is that of some of the more bisty-haking sperimens of M. sterilis, with which, however, it has subucely anything dese in commom. On the elytrat the darker spots ate latly momerns and distinet ; two specimens there is a conspicious dark patd on matis side of the mothoras about the base and rendured wotr ronspicubus by a dark pateh on eath side of it ; on these two
 at the sides. On the "lytim the sutar form a more or lese regular wow on enth intorstice. On alarasion the pronhome is sem to be olosely covered with small punctures, and with many of largur size: granles ure absent. Four specimens were obtained, inchading two from fallen leaves.

## MANDALOTUS MICROPS sp. nov.

© Dark heown (sometimes almost black), appendages and lip of abtomen redtish. With dense muddy-hrown elothing, interspersed with stiff, reenved. yollowish selac; muder surace much more sparsely elnthed, amd in places almost, or quite, glabrous.

Eyes very small, bad molosed by a namow, deep inpressime, oprong in front into fhe surohe. Rostrom short, with an obsence modian line; apieal plate mot trimgular. Seapo stont, moderately curved; first joint of fomicle rather stont, as fong as serond and thind rombined. Prothorax almost as long as wide: sides olligquely inereasiug in width lom hase to apical thite, and then obligue to apex; with four very ohtose olovations across widest part, and feehie ervantes (emesaled before abrasion) elsewhere. Elyta monleratry lomen and stovate. base misinmate, widest shighty beyond the miolde; with rows of large pometures,
 devated in places. Ahtomen with a hasal row of large punctures. Front cosae torehing: femora rather stout; lihiac thin; raw-joint hong and lhin. Length, $2-2 \frac{1}{4} \mathrm{~mm}$.
of Differs in having the probhorix more trasverse, elytra larger, ablomen latger and mote convex, anil leg:s smowhat shorter.

Hab. Lord Howe Island (A, II. La and wife). Type, I. $880 \pi$.
The slight incouatioes of the myta could hardy be regarded as tubereles, lont trating them as such the spurios, in tho 1914 table of the gemns, conld he associated with $M$. camplornomis, which is a mach larger and otherwise ver: difterent spenios. Some specimens appera to have no part of the derm blatk, and these, regarding the mytra ats nomblomeulate, could be associated with M. pallidws (a much larger and utherwise different species); the others could be associated with $0 \quad \%$, all small speries, but all very different from the present one. Some spomens have the derm almost entimly pald castanems, the mader
 The general appearance of specimens is frequently altered by an inemstation of mud, hut on dran mes, mome a lens, the upper surface appears to be fensely
 with fine setae, with considerally stomber ones seattered ibhout: under a eomponmi power also the ahdomen is seen to be densely covered with small punetmes and fine golden setae, but under a loms it appears shagrowned, and the sotae have an appearame as of short preces of fime, spirally twisted sitk. The rostrum has its hasal twothirds Amsely elathed, with the median manal of ofher species replaced by a nanrow impressed line. Fifteen specimens were obtained from fallen leaves.

## MANDALOTUS NODIPENNIS sp. nov.

of Dark reddish-brown, appendages and tip of abdonem paler. With demse muddy-brown, varicgated with ashen, clothing; and with a fow sumt seter seattered about.

Head and its appentages and the legs much as on preeding spectes. Prothorax mather strongly hamsverse, sides ferbly dilated in width from base to near apex: surface somewhat meven, hat dorm roneratiod ly chothing. Elytra suborate, base trisimate, sides rather stromgly romded; phuthres momathy roncealden: interstios with regular serios of small modes. Length, 21 mm .

Hab. Lord Howe Islant (A. M. Lad and wife). 'Jype. I. 5667.
A single specimen was obtained, and lou some time was mixed with members of the preceding species, from which, howerer, it differs in having the prothorax more transverst, with the sides more rommde the elytra shorter, with mumerous small but distinct nodes, a few of whith have stout setar (difterently momed from those of the preceding), but the majority of which havp not: the seape is stouter and the two basal joints of lonicle are thimer and longer (the others are missing). As its abdomen is disthetly monex llu type appars to be a female, but as the species is reptainty different from the preceding one, and is an island form, extremely untikely to ouenr on the mainand, it has been named, On the type the clothing, which has nowhere beon abraded, has a sommewat spotted appearance, owing to that on the elcvated parts being ashen: as on the preceding species, it consists of fine setac, but with a squamose appearance muder a lens, the stonter setae are sparse, even on the legs.

## MANDALOTUS NORFOLCENSIS sp. nov.

क Blackish; antennat (mhl infuscated), legs, and tip of abdomen reddish. With dense, muddr-brown clothing. interspersed with mumerons stout setae. thimuer but not longir on lees than on mytra.

Rostrum sbort, median carina not traceable. Seape moderately long and lather thin, distinctly rurved : first joint of funide as lone as three following combined. Prothorax slightly hansverse, sides obliquely dilated from base to apical thiod; surface meven. Elytra distinctly wider tham prothoras, surface very uneven. Front roxae touphing; fomora rather stout; tibiae rather long and thim. Length, $2 \cdot 25-2 \cdot 5 \mathrm{~mm}$.

Hab. Norfokk Island (A. M. Lea). Type, I. 5806.
This was the only species of the gemes I ohtained on Norfolk Lstand, although they were keenly swarchod for and much sieving was done. Ths nearest allies are $M$. microps and $M$. nodipennis, from Lord Howe Island, but it difters from
them in its rougher scnlpture, and differently setose elytra; the claw-joint is also shorter. In the 1914 table of the genus the species could be associated with M. camplornemis, which is a very much larger and otherwise different species. The elytral sctae are confined to the elevated parts, and are more conspicuous on the apical half than on the basal; on the under surface many of the seales have a metallic-green gloss. The eyes are small but distinctly larger than on microps; on one specimen the base of the rostrum is conspienonsly impressed at its junction with head, and the inter-ocular fovea appears narrow and deep, and continued on to base of rostrum, but on the other the inter-ocular fovea is not traceable through the clothing. The prothorax has mumerous small gramules, and fon of larger size across the middle, with numerons punctures, but all more or less concealed by the clothing. Seen from in front the base of the elytra appears to be areuate, from behind rather strongly trisinuate; there are mumerous subtubercular elevations, but these appear to be in oblique rather than longitudinal series, and the punctures are large, but both punctures and elevations are greatly olscured by the elothing. Two specimens were obtained from fallen leaves.


[^0]:    (1) Blackbum, Trams. Roy. Sow., S. Austr., 1901, p. 27.
    (4) Le:1, l.e. 1!07, p. 136.

[^1]:    (3) Lea, I.c., 1911, p. 75.
    (1) Lét, 1.e., 1914, p. 304 ,

